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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,382	08/27/2003	Nebojsa Jojic	301911.01	6064
	7590 08/10/2007 CORPORATION		EXAMINER	
C/O LYON & HARR, LLP			RASHID, DAVID	
300 ESPLANADE DRIVE SUITE 800			ART UNIT	PAPER NUMBER
	OXNARD, CA 93036		2624	
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			MAIL DATE	DELIVERY MODE
			08/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)		
		10/649,382	JOJIC ET AL.		
	Office Action Summary	Examiner	Art Unit		
		David P. Rashid	2624		
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).					
Status					
<ol> <li>Responsive to communication(s) filed on</li> <li>This action is FINAL. 2b) This action is non-final.</li> <li>Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.</li> </ol>					
Disposit	ion of Claims				
4)  Claim(s) 1-38 is/are pending in the application.  4a) Of the above claim(s) is/are withdrawn from consideration.  5)  Claim(s) is/are allowed.  6)  Claim(s) is/are rejected.  7)  Claim(s) is/are objected to.  8)  Claim(s) 1-38 are subject to restriction and/or election requirement.					
Application Papers					
9) The specification is objected to by the Examiner.  10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority (	under 35 U.S.C. § 119				
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) Some c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No.</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>					
2) Notice 3) Infor	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948) cmation Disclosure Statement(s) (PTO/SB/08) cer No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate		

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## **DETAILED ACTION**

## Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1 and 23 (as well as their corresponding dependents) are drawn to a method of automatically decomposing an image sequence, classified in class 382 (Image Analysis), subclass 173 (Image Segmentation).
  - II. Claim 33 (as well as its corresponding dependents) is drawn to a method of automatically learning a generative model from an image sequence, classified in class 382 (Image Analysis), subclass 159 (Learning Systems, Trainable Classifiers or Pattern Recognizers).

The inventions are distinct, each from the other because of the following reason:

Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP 806.05 (c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed because the combination requires any type of automatic decomposition of an image sequence into a preferred number of classes of objects, the subcombination requires specifically using a generative model to automatically learn by forming a probabilistic model having variational parameters. The subcombination has separate utility such as for providing a generative model for other types of image sequence applications.

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Because the inventions are independent or distinct for the reasons given above and the inventions require a different field of search (see MPEP 808.02), restriction for examination purposes as indicated is proper.

- 2. In summary, the applicant has one of 2 options:
  - (i) Election of invention I (claims 1 and 23 and their corresponding dependents); or
  - (ii) Election of invention II (Claim 33 and its corresponding dependents).

## Conclusion

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to David P. Rashid whose telephone number is (571) 270-1578. The examiner can normally be reached Monday - Friday 8:30 - 17:00 ET.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Werner can be reached on (571) 272-7401. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

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like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/<u>David P. Rashid</u>/ Examiner, Art Unit 2624

David P Rashid Examiner Art Unit 2624

/Brian P. Werner/ Supervisory Patent Examiner (SPE), Art Unit 2624